

MONTANA OIL AND GAS STATISTICAL BULLETIN

SEP 29 1970

ADMINISTRATORS

NORMAN J. BEAUDRY, Exec. Sec.
P. O. BOX 217
HELENA, MONTANA 59601

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HELENA, MONTANA 59601

JUDSON D. SWEET, PETROLEUM ENGINEER
15 POLY DRIVE
BILLINGS, MONTANA 59101

HERBERT D. HADLEY, GEOLOGIST
15 POLY DRIVE
BILLINGS, MONTANA 59101

SHIELDED WITH
PERIODICALS



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HELENA, MONTANA 59601

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MILES CITY, MONTANA 59301

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WHITLASH, MONTANA 59545

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525 SECURITIES BLDG.
BILLINGS, MONTANA 59101

OIL AND GAS CONSERVATION COMMISSION

SAVINGS BLDG.

HELENA, MONTANA

Vol. XVIII, No. 7



July, 1970

Production of crude oil and condensate from the oil and gas areas of Montana for the month of July, 1970, averaged 101,698 barrels daily, a decrease of 1,198 barrels from the average June, 1970 production of 102,896.

The nine refineries in the state processed 126,157 barrels of crude oil daily for the month of July, 1970, an increase of 15,086 barrels from the 111,071 barrels processed daily during the month of June, 1970.

During July 43 wells were completed, 7 oil, 4 gas and 32 dry holes.

During July the commission issued 65 permits to drill new wells, a decrease of 5 from the 70 permits issued during June.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF JULY, 1970

IN STORAGE JULY 1st

By Producers	374,566
By Transporters	1,704,027
By Refiners	1,084,703

TOTAL STORAGE

Produced in Montana During Month	3,152,633
Imported During Month	3,088,967

TOTALS

DISPOSITION:

Refined in Montana	3,910,862
Exported	2,602,042
Used for Fuel or Lost	5,859

TOTAL

IN STORAGE JULY 31st

By Producers	347,605
By Transporters	1,514,527
By Refiners	1,024,001

TOTAL STORAGE

NATURAL GAS WITHDRAWALS IN MONTANA

Month of July, 1970

Field	M. Cu. Ft.
Bell Creek	957,938
Big Coulee	23,378
Blackjack	74,664
Bowdoin	49,154
Bowes	31,615
Cabin Creek	106,330
Cedar Creek	69,648
Cut Bank (Including Reagan)	480,170
Devon	0
Dry Creek	33,925
Elk Basin	97,492
Flat Coulee	13,617
Gold Butte	139
Grandview	503
Hardin	3,077
Keith Block	41,548
Kevin Sunburst	12,004
Lake Basin	38,726
Middle Butte	2,308
Mt. Lilly	3,604
Pine	56,034
Plevna	5,454
Squaw Coulee	59,073
Tiger Ridge	42,374
Utopia	0
Whitlash	50,450
Miscellaneous	236,048

TOTAL

Total withdrawals for July
1969 were 2,631,001

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PRODUCERS REPORT—MONTH OF JULY, 1970

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	479	2,313	-----	2,263	-----	529
1	Bainville	1	1,749	5,346	-----	4,357	-----	2,738
-----	Bannatyne	-----	573	-----	-----	-----	-----	573
1	Bascom	1	149	16	-----	-----	-----	165
4	Bear's Den	5	879	949	-----	-----	-----	1,828
63	Bell Creek	376	58,303	608,430	620,017	-----	1,993	44,723
-----	Benrud	-----	401	-----	-----	-----	-----	401
2	Benrud East	2	991	13,425	12,466	-----	-----	1,950
1	Benrud Northeast	1	669	3,022	2,800	-----	-----	891
1	Berthelote	1	481	85	213	-----	-----	353
6	Big Wall	13	2,223	11,291	10,875	-----	-----	2,639
5	Blackfoot	7	882	2,319	1,864	-----	-----	1,337
6	Border	6	579	1,730	-----	1,798	-----	511
1	Bowes	54	2,796	11,562	12,006	-----	-----	2,352
1	Bradley	1	351	602	572	-----	-----	381
-----	Brady	-----	296	-----	-----	-----	-----	296
4	Brorson-Madison	4	1,289	5,796	-----	5,924	-----	1,161
6	Brorson-Red River	6	4,983	28,058	-----	28,610	-----	4,431
3	Brorson-Red River South	3	2,869	12,288	-----	12,839	-----	2,318
5	Brush Lake	5	550	31,532	31,478	-----	-----	604
2	Cabin Creek	96	306,933	306,933	-----	-----	-----	-----
12	Cat Creek	60	2,192	13,968	12,088	1,569	-----	2,503
1	Clark's Fork	1	102	99	-----	184	-----	17
3	Conrad South	3	662	1,038	1,038	-----	-----	662
1	Cow Creek	1	66	409	-----	257	-----	218
1	Culbertson	1	388	3,454	-----	3,190	-----	652
2	Cupton	2	1,327	2,842	-----	2,776	-----	1,393
133	Cut Bank	842	63,076	444,503	445,663	-----	440	61,476
-----	Dean Dome	-----	65	-----	-----	-----	-----	65
2	Deer Creek	2	827	1,992	1,373	-----	-----	1,446
1	Delphia	1	212	402	-----	-----	-----	614
-----	Devil's Basin	-----	671	-----	-----	-----	-----	671
3	Dwyer	14	5,025	26,582	26,172	-----	-----	5,435
4	Elk Basin	57	1,551	171,187	171,462	-----	-----	1,276
5	Elk Basin Northwest	14	8,579	11,464	10,886	-----	-----	9,157
5	Fairview	14	9,750	52,060	53,024	-----	-----	8,786
2	Fertile Prairie	2	779	1,420	-----	1,632	-----	567
9	Flat Coulee	27	4,706	9,635	9,139	-----	-----	5,202
42	Flat Lake	64	8,674	71,655	73,677	-----	-----	6,652
4	Flat Lake South	4	1,065	5,735	5,788	-----	-----	1,012
1	Frannie	1	-----	620	620	-----	-----	-----
14	Fred & George Creek	38	1,711	39,874	39,783	-----	-----	1,802
1	Gage	1	26	103	-----	-----	-----	129
-----	Gage Southwest	-----	30	-----	-----	-----	30	-----
2	Gas City	16	6,751	22,470	17,681	3,894	-----	7,646
2	Girard	2	1,287	7,283	-----	7,182	17	1,371
11	Glendive	15	2,056	29,841	25,555	3,418	-----	2,924
28	Goose Lake	34	5,263	45,746	44,905	-----	-----	6,104
9	Graben Coulee	19	4,185	4,162	626	3,288	-----	4,433
-----	Gypsy Basin	-----	749	-----	-----	-----	-----	749
-----	Hardscrabble Creek	-----	58	-----	-----	-----	-----	58
2	Hay Creek	2	441	17,098	17,030	-----	-----	509
7	Hiawatha	7	5,983	10,958	12,667	-----	-----	4,274
1	Hibbard	1	376	273	-----	-----	-----	649
1	Injun Creek	1	769	461	-----	810	-----	420
6	Ivanhoe	11	4,356	7,885	10,575	-----	61	1,605
7	Keg Coulee	20	6,863	12,932	14,071	2,227	-----	3,497
2	Keg Coulee North	2	1,342	839	1,719	-----	-----	462
1	Kelley	5	1,357	4,342	5,082	-----	-----	617
79	Kevin Sunburst	433	9,896	28,828	23,712	4,394	146	10,472
8	Laird Creek	10	797	4,857	-----	5,055	8	591
2	Leary	2	1,661	1,335	-----	2,023	149	824
1	Little Beaver	23	-----	28,234	28,234	-----	-----	-----
2	Little Beaver East*	13	2,855	15,116	16,471	-----	-----	1,500
2	Lodge Grass	2	690	1,717	-----	1,635	-----	772
3	Lookout Butte (Coral Creek)	33	896	89,714	89,513	-----	-----	1,097
-----	Mackay Dome	-----	1,134	-----	-----	-----	-----	1,134
2	Mason Lake	2	469	1,117	1,007	-----	-----	579
3	Melstone	4	1,763	1,930	2,740	-----	-----	953
1	Mineral Bench	1	671	985	1,076	-----	-----	580
1	Miner's Coulee	1	107	500	-----	500	-----	107
10	Monarch	13	2,998	17,319	12,602	3,812	-----	3,903
3	Mosser	3	-----	587	-----	587	-----	-----
6	Outlook	9	6,512	17,128	16,908	-----	-----	6,732
1	Outlook South	1	551	1,354	848	-----	-----	1,057
2	Outlook West	2	1,238	2,992	2,922	-----	-----	1,308
1	Pennel-Lookout Butte	110	-----	129,600	129,600	-----	-----	-----
4	Pine	116	17,425	276,639	276,918	-----	-----	17,146
1	Pole Creek	1	211	1,217	-----	1,250	-----	178
71	Pondera	284	6,958	27,878	28,205	-----	-----	6,631
7	Poplar	68	10,600	54,188	56,716	-----	158	7,914
3	Poplar Northwest	3	1,533	1,364	1,446	-----	-----	1,451
1	Prairie Elk	1	1,150	518	-----	-----	-----	1,668
4	Pritchard Creek	4	167	2,444	2,444	-----	-----	167
4	Ragged Point	12	4,009	7,099	2,124	719	-----	8,265
2	Rattlesnake Coulee	2	413	712	597	-----	-----	528
2	Reagan	47	361	22,057	21,974	-----	-----	444
1	Red Creek	22	-----	18,990	18,784	206	-----	-----
1	Red Fox	1	239	1,253	1,283	-----	-----	209
1	Redstone	1	311	3,522	3,433	-----	-----	400
1	Repeat	1	116	1,630	-----	1,626	-----	120
5	Reserve	5	-----	12,940	12,940	-----	-----	-----
1	Richey	1	702	927	859	-----	-----	770
1	Richey Southwest	6	727	3,025	-----	3,058	-----	694
-----	Rough Creek	-----	266	-----	-----	-----	-----	266
1	Rush Mountain	1	332	3,143	2,928	-----	-----	547
5	Sand Creek	7	2,455	7,203	5,915	-----	-----	3,743
1	Shotgun Creek	1	327	486	-----	663	-----	150
1	Sidney	1	600	450	-----	450	-----	600
1	Snyder	4	497	873	-----	750	-----	620
6	Soap Creek	17	2,343	5,251	-----	5,288	-----	2,306
1	Spring Lake	1	2,776	3,357	-----	4,148	-----	1,985
1	Stensvad	10	3,550	23,642	24,673	-----	-----	2,519
10	Sumatra	78	18,340	52,268	57,685	-----	-----	12,923
5	Tule Creek	6	3,972	31,495	-----	32,380	-----	3,087
2	Tule Creek East	2	505	9,542	-----	9,427	-----	620
2	Tule Creek South	2	1,231	5,119	-----	5,660	33	657
2	Vida	2	770	1,860	-----	1,748	-----	882
3	Volt	4	3,184	14,216	14,732	-----	-----	2,668
2	Weed Creek	3	388	3,893	3,852	-----	-----	422
4	Weldon	8	1,447	28,035	28,660	-----	-----	822
1	West Butte	1	-----	2,783	-----	2,783	-----	-----
16	Whitlash	41	6,665	13,695	14,836	-----	-----	5,524
1	Whitlash West	1	539	222	160	-----	-----	601
1	Wibaux	1	132	-----	-----	-----	-----	132
2	Wills Creek South	2	-----	3,497	3,497	-----	-----	-----
7	Wolf Springs	10	4,773	4,447	6,143	-----	-----	3,077
2	Woodrow	2	151	3,110	2,608	-----	-----	653
4	Wright Creek	6	1,898	4,973	4,277	-----	-----	2,594
1	Wildcat, Blaine Cty	1	414	176	-----	-----	-----	590
-----	Wildcat, Carbon Cty	-----	310	-----	-----	-----	-----	310
1	Wildcat, Daniels	1	-----	6,231	-----	5,588	-----	643
1	Wildcat, Fallon Cty	3	1,864	9,845	-----	10,040	-----	1,669
2	Wildcat, Glacier Cty	5	832	993	496	-----	-----	1,329
1	Wildcat, Liberty Cty	1	156	69	-----	-----	-----	225
3	Wildcat, Musselshell Cty	3	627	9,777	-----	9,664	-----	740
6	Wildcat, Richland Cty	6	1,250	52,346	-----	52,323	-----	1,273
1	Wildcat, Roosevelt Cty	1	-----	217	-----	217	-----	-----
1	Wildcat, Toole Cty	1	-----	674	674	-----	-----	-----
775	Total	3,339	374,566	3,152,633	2,924,340	252,212	3,042	347,605

Total Oil Produced & Shipped
From Leases

	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1969	43,954,112	120,422	44,000,342	120,549
1st Quarter, 1970	9,744,920	108,306	9,724,779	108,062
2nd Quarter, 1970	9,446,320	103,806	9,422,315	103,542
July, 1970	3,152,633	101,698	3,176,552	102,469
Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage†	Total oil In Storage†
December, 1969	351,210	1,237,355	731,177	2,319,742
March, 1970	362,487	1,382,147	387,559	2,132,193
June, 1970	374,566	1,704,027	1,084,703	3,163,296
July, 1970	347,605	1,514,527	1,024,001	2,886,133

*Montana Oil Only. †Includes Wyoming Oil.

TRANSPORTERS REPORT—MONTH OF JULY, 1970

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,263				2,263		
BAINVILLE— Rock Island Oil & Ref. Co.			4,357				4,357		
BELL CREEK—Pipelines	103,570	620,017					563,078	69,891	90,618
BIG WALL— Continental Pipeline Co.		10,875				10,876			
BLACKFOOT— Camerland Cardinal Corp.		10,876						10,875	
BORDER—Permian Corp.			1,798					1,798	
BOWES—Texaco Inc.		12,006				12,006			
BRORSON-MADISON— Rock Island Oil & Ref.			5,924					5,924	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH— Rock Island Oil & Ref. Co.			41,449			41,449			
BRUSH LAKE—Portal Pipeline Co.		31,363				31,363			
CABIN CREEK & OTHERS* Butte Pipeline Co. Shell Pipeline Co.	369,317 6,731	846,586 312,598	25,153	648,358	642		1,489,984	312,423	399,430 6,264
	376,048	1,159,184	25,153	648,358	642		1,489,984	312,423	405,694
CAT CREEK— Continental Pipeline Co.		12,088				12,088			
Truck			1,569			1,569			
		12,088	1,569			13,657			
CLARK'S FORK—Permian Corp.			184				184		
COW CREEK—West. Crude Oil, Inc.			257				257		
CULBERTSON—Tesoro Petr. Corp.			3,190					3,190	
CUT BANK— Continental Pipeline Co.			13,037					425,660	
Phillips Petroleum Co.	109,573	117,828		412,623	2,806	130,155		49,781	63,545
Texas Pipeline Co.	44,333	80,446		27,886	595			178,666	22,249
Union Oil Co.	142,224	77,394		76,731	(2,526)	128,152			128,211
Western Oil Trans. Co.		39,587		34,209				39,587	
Western Oil Trans. (Moulton)		86,631						86,631	
	287,130	401,886	13,037	551,449	865	258,307		780,325	214,005
DWYER—Portal Pipeline Co.		18,091					18,091		
ELK BASIN & ELK BASIN NORTHWEST— Marathon Pipeline Co.		181,756				181,756			
FAIRVIEW—Fairview Pipeline Co.		53,024					53,024		
FLAT COULEE— Camerland Cardinal Corp.		8,494				6,200		2,294	
FLAT LAKE & FLAT LAKE SOUTH— Portal Pipeline Co.		72,618					72,618		
FRANNIE—Interstate Pipeline Co.		600					600		
FRED & GEORGE CREEK— Camerland Cardinal Corp.	28,676	45,591				19,948		37,914	16,405
GIRARD— Rock Island Oil & Ref. Co.			7,182				7,182		
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK— Texas Pipeline Co.	7,171	32,386			(172)			28,903	10,826
GOOSE LAKE— Portal Pipeline Co.		40,737					40,737		
HAY CREEK— Fairview Pipeline Co.		17,030					17,030		
HIAWATHA— Continental Pipeline Co.		12,596					12,596		
INJUN CREEK—Permian Corp.			810				810		
IVANHOE— Continental Pipeline Co.		11,014				10,575	439		
KEG COULEE & KEG COULEE NORTH— Continental Pipeline Co.		17,716				17,716			
Permian Corp.			2,227			2,227			
		17,716	2,227			19,943			
KELLEY— Continental Pipeline Co.		5,082				5,082			
KEVIN SUNBURST— Homestake Oil & Gas Co.	2,652	2,164				3,038			1,778
Texas Pipeline Co.	7,364	10,750		5,095	530			15,979	6,700
	10,016	12,914		5,095	530	3,038		15,979	8,478
LEARY—Permian Corp.			2,023				2,023		
LODGE GRASS—Permian Corp.			1,635				1,635		
MASON LAKE— Continental Pipeline Co.		1,007				1,007			
MELSTONE— Continental Pipeline Co.		2,120				2,120			
MOSSER—Truck			587				587		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST— Portal Pipeline Co.		21,098					21,098		
POLE CREEK—Truck			1,250				1,250		
PONDERA—Phillips Petr. Co.	34,701	30,376			1,746	36,730			26,601
POPLAR, BENRUD, BENRUD EAST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT— East Poplar Gathering System	13,523	88,808			(872)			86,660‡	16,543
RAGGED POINT— Continental Pipeline Co.		8,065				8,065			
Permian Corp.			719				719		
		8,065	719			8,065	719		
RED CREEK— Western Oil Transportation Co.		20,800						20,800	
RESERVE—Portal Pipeline Co.		11,030					11,030		
RUSH MOUNTAIN— Sinclair Refining Co.		2,928						2,928	
SHOTGUN CREEK—Truck			663					663	
SIDNEY—Truck			450					450	
SNYDER—Truck			750			750			
SOAP CREEK—Permian Corp.			5,288				5,288		
SPRING LAKE— Rock Island Oil & Ref. Co.			4,148				4,148		
SUMATRA & STENSVADE— Continental Pipeline Co.	840,580	94,008		1,221,602	(1,096)	66,639		1,368,649	721,998
TULE CREEK—Tesoro Petr. Corp.	2,612		41,807			41,060			3,359
Permian Corporation			5,660			5,660			
	2,612		47,467			46,720			3,359
WEED CREEK— Continental Pipeline Co.		3,852				3,852			
WHITLASH & WHITLASH WEST— Camerland Cardinal Corp.		13,399				12,385		1,014	
WOLF SPRINGS— Continental Pipeline Co.		6,143				6,143			
WILDCAT WELLS—Truck			77,832				77,832		
TOTALS	1,704,027	3,091,578	252,212	2,426,504	1,643	727,434	2,483,628	2,747,089	1,514,527

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat.
Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF JULY, 1970

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	---	10,876	---	---	---	---	---	---	---	10,876
Bowes	---	---	19,050	---	---	---	---	---	---	19,050
Cat Creek	---	2,531	---	12,956	---	---	---	---	---	15,487
Cut Bank	35,095	---	---	---	---	---	122,792	---	120,920	278,807
Elk Basin	---	70,253	---	47,609	63,894	---	---	---	---	181,756
Flat Coulee	---	---	---	---	---	---	---	---	6,200	6,200
Fred & George Creek	40,448	---	---	---	---	---	---	---	---	40,448
Ivanhoe	---	10,136	---	---	---	---	---	---	---	10,136
Keg Coulee	---	7,026	---	12,917	---	---	---	---	---	19,943
Kelley	---	---	---	---	5,082	---	---	---	---	5,082
Kevin Sunburst	22,526	---	---	---	---	---	---	---	---	22,526
Lodge Grass	---	1,635	---	---	---	---	---	---	---	1,635
Mason Lake	---	1,007	---	---	---	---	---	---	---	1,007
Melstone	---	---	---	2,120	---	---	---	---	---	2,120
Pondera	---	---	---	670	---	---	---	---	---	670
Ragged Point	---	---	---	---	---	---	---	---	---	750
Snyder	---	750	---	---	---	---	---	---	---	80,613
Sumatra & Stensvad	---	12,859	---	53,780	13,974	---	---	70,701	---	70,701
Tule Creek	---	---	---	---	---	---	---	---	---	3,852
Weed Creek	---	---	---	---	3,852	---	---	---	---	12,385
Whitlash	---	---	---	---	---	---	12,385	---	---	6,143
Wolf Springs	---	---	---	---	6,143	---	---	---	---	821,895
Total Montana Oil	98,069	117,073	19,050	130,052	92,945	---	166,885	70,701	127,120	708,253
Canadian Oil Imported	---	396,672	---	150,335	161,246	---	---	---	---	2,380,714
Wyoming Oil Imported	---	730,862	---	560,729	1,089,123	---	---	---	---	

Total Montana, Canadian, and Wyoming Oil	98,069	1,244,607	19,050	841,116	1,343,314	---	166,885	70,701	127,120	3,910,862
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AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total	Montana	Canada	Wyoming
Year, 1969	25,966	13,237	71,981	111,184	23.35%	11.91%	64.74%
July, 1969	27,299	22,128	77,393	126,820	21.53%	17.45%	61.02%
July, 1970	26,513	22,847	76,797	126,157	21.02%	18.11%	60.87%

PERCENTAGE OF CRUDE OIL REFINED